

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	193	bit adj shuffl\$	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 15:44
S2	6	bit adj shuffl\$ and bit adj roll	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 15:48
S3	42	bit adj shuffl\$ and encrypt\$	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 15:48
S4	15	bit adj shuffl\$ and encrypt\$.clm.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:16
S6	1	"20050039030".pn.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:16
S7	1	"20050039030".pn. and single adj pipeline adj stage	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:19
S8	12952	pipeline.clm.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:19
S9	58	single adj pipeline.clm.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:19
S10	2	single adj pipeline.clm. and decrypt\$	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:20
S11	1	"20040039922" and pipeline	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:26
S12	6162	stage adj pipeline	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:26

## EAST Search History

S13	843	stage adj pipeline and encrypt\$	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:26
S14	24	stage adj pipeline.clm. and encrypt\$	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:31
S15	8	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$.clm.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:32
S16	1	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$ and shuffl\$.clm.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:33
S17	191	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$ and shuffl\$)	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:33
S18	0	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$ and shuffl\$.ab.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:33
S19	1	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$ and shuffl\$.bsum.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:33
S20	150	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$ and shuffl\$.detd.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:33
S21	166	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$ and shuffl\$ and "XOR")	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:40
S23	7	((multiplexor multiplexer mux) and pipeline and encrypt\$ and decrypt\$ and bit adj shuffl\$ and "XOR")	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/22 17:40
S24	1	"20050039030" and pipeline	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/27 11:12
S25	1	"4004089".pn.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:18

## EAST Search History

S26	0	"4004089".pn. and gate adj delay	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/27 12:12
S27	①	"4004089".pn. and gate	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/27 12:12
S28	⑤①	("4004089").URPN.	USPAT	OR	ON	2006/11/27 13:00
S29	⑦	("4004089").URPN. and shuffl\$	USPAT	OR	ON	2006/11/27 17:46
S30	①	("4004089").URPN. and latency	USPAT	OR	ON	2006/11/27 14:15
S31	327	shifted adj2 key	USPAT	OR	ON	2006/11/27 14:12
S32	⑤	shifted adj2 key with encrypt\$	USPAT	OR	ON	2006/11/27 16:36
S33	③④	("4004089").URPN. and address	USPAT	OR	ON	2006/11/27 14:28
S34	0	"4004089".pn. and address	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/27 14:20
S35	1	"4004089".pn. and key	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/27 14:20
S36	②③	("4004089").URPN. and shift	USPAT	OR	ON	2006/11/27 14:22
S37	②③	("4004089").URPN. and shift\$	USPAT	OR	ON	2006/11/27 14:23
S38	③	("4004089").URPN. and shift\$ and multiplex\$	USPAT	OR	ON	2006/11/27 14:25
S39	①③	("4004089").URPN. and multiplex\$	USPAT	OR	ON	2006/11/27 14:25
S40	51	("4004089").URPN.	USPAT	OR	ON	2006/11/27 14:28
S41	0	single adj cycle adj (encrypt\$ decrypt4)	USPAT	OR	ON	2006/11/27 16:36
S42	0	single adj cycle adj (encrypt\$ decrypt\$)	USPAT	OR	ON	2006/11/27 16:37
S43	②	single adj cycle adj (encrypt\$ decrypt\$)	US-PGPUB; USPAT	OR	ON	2006/11/27 16:37
S44	56	cycle adj (encrypt\$ decrypt\$)	US-PGPUB; USPAT	OR	ON	2006/11/27 16:37
S45	③④	cycle adj (encryption decryption)	US-PGPUB; USPAT	OR	ON	2006/11/27 16:45
S46	965	gate adj delays with clock	US-PGPUB; USPAT	OR	ON	2006/11/27 16:45
S47	①	gate adj delay with clock same encrypt\$	US-PGPUB; USPAT	OR	ON	2006/11/27 16:46

## EAST Search History

S48	11	gate adj delay with clock and encrypt\$	US-PGPUB; USPAT	OR	ON	2006/11/27 16:51
S49	1	"20040054630".pn.	US-PGPUB; USPAT	OR	ON	2006/11/27 16:56
S50	1	"20040039922"	US-PGPUB; USPAT	OR	ON	2006/11/27 17:01
S51	2044	pipeline adj processor	US-PGPUB; USPAT	OR	ON	2006/11/27 17:01
S52	3	pipeline adj processor and single adj direction	US-PGPUB; USPAT	OR	ON	2006/11/27 17:01
S53	9	pipeline adj processor and single adj2 direction	US-PGPUB; USPAT	OR	ON	2006/11/27 17:21
S54	73	("713".clas. "380".clas.) and pipeline.ti.	US-PGPUB; USPAT	OR	ON	2006/11/27 17:22
S55	61	("713".clas. "380".clas.) and pipeline.ti. and (@ad @prad)< "20030815"	US-PGPUB; USPAT	OR	ON	2006/11/27 17:22
S56	0	("713".clas. "380".clas.) and pipeline.ti. and (@ad @prad)< "20030815" and shuffle	US-PGPUB; USPAT	OR	ON	2006/11/27 17:22
S57	0	("713".clas. "380".clas.) and pipeline.ti. and (@ad @prad)< "20030815" and encrypt\$	US-PGPUB; USPAT	OR	ON	2006/11/27 17:23
S58	3	("713".clas. "380".clas.) and pipeline.ti. and (@ad @prad)< "20030815" and encrypt\$	US-PGPUB; USPAT	OR	ON	2006/11/27 17:23
S59	58200	shift adj register	USPAT	OR	ON	2006/11/27 17:46
S60	535	shift adj register and stb	USPAT	OR	ON	2006/11/27 17:46
S61	1	shift adj register and stb and shuffle	USPAT	OR	ON	2006/11/27 17:47
S62	1	shift adj register and stb and shuffle	US-PGPUB; USPAT	OR	ON	2006/11/27 17:47
S63	1	(shift adj register) and stb and shuffle	US-PGPUB; USPAT	OR	ON	2006/11/27 17:47
S64	2	(shift adj register) and stb and shuffl\$	US-PGPUB; USPAT	OR	ON	2006/11/27 17:47
S65	638	(shift adj register) and set adj top adj box	US-PGPUB; USPAT	OR	ON	2006/11/27 17:47
S66	24	(shift adj register) and set adj top adj box and shuffl\$	US-PGPUB; USPAT	OR	ON	2006/11/27 18:02
S67	15	((mux multiplex\$) and "xor" and shift\$ and key).clm.	US-PGPUB; USPAT	OR	ON	2006/11/27 18:14
S68	1	"6765625".pn.	US-PGPUB; USPAT	OR	ON	2006/11/27 18:15

## EAST Search History

S69	188	bit adj shuffl\$	US-PGPUB; USPAT	OR	ON	2006/11/27 18:15
S70	(1)	bit adj shuffl\$.ti.	US-PGPUB; USPAT	OR	ON	2006/11/27 18:16
S71	(18)	bit adj shuffl\$.ab.	US-PGPUB; USPAT	OR	ON	2006/11/27 18:17
S72	0	"713""."189".ccls.	US-PGPUB; USPAT	OR	ON	2006/11/27 18:17
S73	1081	713/189.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/27 18:18
S74	882	713/189.ccls. and (@ad @prad) < "20030815"	US-PGPUB; USPAT	OR	ON	2006/11/27 18:18
S75	(22)	713/189.ccls. and (@ad @prad) < "20030815" and shuffl\$	US-PGPUB; USPAT	OR	ON	2006/11/27 18:21
S76	0	713/189.ccls. and (@ad @prad) < "20030815" and buit adj shuffl\$	US-PGPUB; USPAT	OR	ON	2006/11/27 18:21
S77	(1)	713/189.ccls. and (@ad @prad) < "20030815" and bit adj shuffl\$	US-PGPUB; USPAT	OR	ON	2006/11/27 18:21
S78	62	380/57.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:19
S79	(21)	380/57.ccls. and (@ad @prad) < "20030815"	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:42
S80	(7)	("2981794"   "4064558"   "4120030"   "5892826"   "6463538").PN. OR ("6792528"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 14:21
S81	0	713/57.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:42
S82	292	713/190.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:42
S83	247	713/190.ccls. and (@ad @prad) < "20030815"	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:43
S84	(18)	713/190.ccls. and (@ad @prad) < "20030815" and (rotate roll shuffle)	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:47

## EAST Search History

S85	3802	rotat\$ adj bits	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:47
S86	815	rotat\$ adj bits.clm.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:47
S87	24	rotat\$ adj bits.clm. and ("713". clas. "380".clas.)	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:47
S88	22	rotat\$ adj bits.clm. and ("713". clas. "380".clas.) and (@prad @ad) < "20030815"	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 14:51
S89	1	380/57.ccls. and 713/190.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 15:19
S90	14	serial adj shift adj register.ti.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 15:21
S91	1	"20010055395"	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 15:23
S92	3	caesar adj shift	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:36
S93	10	pipeline adj encryption	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:42
S94	71576	"713"/("193" "194").ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:42
S95	1581	713/193.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:43
S96	1916	713/193.ccls. 713/194.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:43

## EAST Search History

S97	50	(713/193.ccls. 713/194.ccls.) and pipeline	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:43
S98	43	(713/193.ccls. 713/194.ccls.) and pipeline and address	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:43
S99	40	(713/193.ccls. 713/194.ccls.) and pipeline and address and key	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:43
S10 0	13	(713/193.ccls. 713/194.ccls.) and pipeline and address and key and (multiplex\$)	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:51
S10 1	0	(713/193.ccls. 713/194.ccls.) and 380/57.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:51
S10 2	62	380/57.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:51
S10 3	0	380/57.ccls. and pipeline	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:51
S10 4	6595	pipeline.ti.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:51
S10 5	167	pipelining.ti.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:51
S10 6	121	pipelin\$ and encrypt\$.ti.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:52
S10 7	91	pipelin\$ and encrypt\$.ti. and (@ad @prad) < "20030815"	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:52
S10 8	51	pipelin\$ and encrypt\$.ti. and (@ad @prad) < "20030815" and address	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:52

## EAST Search History

S10 9	46	pipelin\$ and encrypt\$.ti. and (@ad @prad) < "20030815" and address and key	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:52
S11 0	27	pipelin\$ and encrypt\$.ti. and (@ad @prad) < "20030815" and address and key and multiplex\$	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 16:53
S11 2	4	(pipelin\$ and encrypt\$).ti.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 18:31
S11 3	62	713/189.ccls. and pipelin\$	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 18:32
S11 4	0	713/189.ccls. and pipelin\$.ti.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 18:32
S11 5	10	713/189.ccls. and pipelin\$.ab.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 18:40
S11 8	1279	726/4.ccls.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 19:18
S12 0	4	"10144683"	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 19:19
S12 1	7	("6708273" "6959346" "20020001384" "20020078342" "20020191790" "20020184498" "6477646").pn.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 19:54
S12 2	307	(pipeline and decrypt\$ and cipher\$ and key and multiplex\$)	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 19:54
S12 3	3	(pipeline and decrypt\$ and cipher\$ and key and multiplex\$).clm.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 20:13
S12 4	90	(block and cipher).ti.	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 20:13



## EAST Search History

S12 5	16	(block and cipher).ti. and pipeline	US-PGPUB; USPAT; EPO; IBM_TDB	OR	ON	2006/11/28 20:13
S12 6	0	("2002/0118827").URPN.	USPAT	OR	ON	2006/11/29 20:36
S12 7	35	("4078152"   "4157454"   "4160120"   "4168396"   "4249180"   "4255811"   "4306111"   "4308617"   "4375579"   "4724541"   "4982429"   "5003596"   "5003597"   "5054067"   "5103479"   "5214704"   "5317638"   "5351299"   "5381480"   "5454039"   "5835600").PN. OR ("6182216"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/29 20:45